

Abstract

Internal Antenna for Mobile Communications Device

A balanced antenna is provided for a mobile telephone which couples to the outputs from a balanced power amplifier stage without needing connection through a lossy conversion circuit. The balanced antenna comprises two radiating elements positioned opposite one another with the feed points positioned so that the radiating fields from the two elements superpose. A floating ground is also provided which reduces the effects of components located on the PCB under the antenna.

10 antenna.